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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/616,101	07/08/2003	Ying Luo	RIGL-010CIP3	5361
24353 7590 09/07/2007 BOZICEVIC, FIELD & FRANCIS LLP 1900 UNIVERSITY AVENUE			EXAMINER	
			CHOWDHURY, IQBAL HOSSAIN	
SUITE 200 EAST PALO A	LTO, CA 94303		ART UNIT	PAPER NUMBER
			1652	
			MAIL DATE	DELIVERY MODE
			09/07/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

·:	Application No.	Applicant(s)			
	10/616,101	LUO ET AL.			
Office Action Summary	Examiner	Art Unit			
	Iqbal H. Chowdhury, Ph.D.	1652			
The MAILING DATE of this communication	on appears on the cover sheet with	the correspondence address			
Period for Reply	DEDLY IS SET TO EXPIDE AMOU	NTLICO OD TUBETY (20) DAVC			
A SHORTENED STATUTORY PERIOD FOR F WHICHEVER IS LONGER, FROM THE MAILIN  - Extensions of time may be available under the provisions of 37 of after SIX (6) MONTHS from the mailing date of this communicat.  - If NO period for reply is specified above, the maximum statutory.  - Failure to reply within the set or extended period for reply will, by Any reply received by the Office later than three months after the earned patent term adjustment. See 37 CFR 1.704(b).	NG DATE OF THIS COMMUNICA CFR 1.136(a). In no event, however, may a replication. period will apply and will expire SIX (6) MONTH statute, cause the application to become ABAN	ATION.  by be timely filed  IS from the mailing date of this communication.  NDONED (35 U.S.C. § 133).			
Status					
1) Responsive to communication(s) filed on	03 June 2007.	•			
2a) ☐ This action is <b>FINAL</b> . 2b) ∑	This action is <b>FINAL</b> . 2b)⊠ This action is non-final.				
3) Since this application is in condition for a		•			
closed in accordance with the practice ur	nder <i>Ex parte Quayle</i> , 1935 C.D. <i>'</i>	11, 453 O.G. 213.			
Disposition of Claims					
4)⊠ Claim(s) <u>38-43 and 45-47</u> is/are pending	in the application.				
4a) Of the above claim(s) 45-47 is/are with	hdrawn from consideration.				
5) Claim(s) is/are allowed.	•	•			
6)⊠ Claim(s) <u>38-43</u> is/are rejected.		•			
7) Claim(s) is/are objected to.					
8) Claim(s) are subject to restriction	and/or election requirement.	•			
Application Papers					
9) The specification is objected to by the Ex	aminer.				
10) The drawing(s) filed on is/are: a) ☐	☐ accepted or b)☐ objected to by	the Examiner.			
Applicant may not request that any objection					
Replacement drawing sheet(s) including the					
11)☐ The oath or declaration is objected to by t	the Examiner. Note the attached (	Office Action or form PTO-152.			
Priority under 35 U.S.C. § 119					
12) Acknowledgment is made of a claim for fo	oreign priority under 35 U.S.C. § 1	19(a)-(d) or (f).			
a) ☐ All b) ☐ Some * c) ☐ None of:					
1. Certified copies of the priority docu	uments have been received.				
2. Certified copies of the priority docu	ıments have been received in App	olication No			
3. Copies of the certified copies of the	•	eceived in this National Stage			
application from the International E	· · · · · · · · · · · · · · · · · · ·				
* See the attached detailed Office action for	a list of the certified copies not re	eceived.			
Attachment(s)					
1) Notice of References Cited (PTO-892)		mmary (PTO-413) Mail Date			
<ul> <li>2) Notice of Draftsperson's Patent Drawing Review (PTO-9-3)</li> <li>Information Disclosure Statement(s) (PTO/SB/08)</li> </ul>		ormal Patent Application			
Paper No(s)/Mail Date	6)	• .			

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**DETAILED ACTION** 

Claims 38-43, and 45-47 are currently pending and are present for examination.

Applicant's cancellation of claim 43 in a communication filed on 6/13/2007 is

acknowledged. Claims 45-47 remain withdrawn from further consideration pursuant to 37 CFR

1.142(b) as being drawn to a nonelected invention.

Claims 38-43 are now under consideration.

A request for continued examination under 37 CFR 1.114, including the fee set forth in

37 CFR 1.17(e), was filed in this application after final rejection. Since this application is

eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e)

has been timely paid, the finality of the previous Office action has been withdrawn pursuant to

37 CFR 1.114. Applicant's submission filed on 6/13/2007 has been entered.

Applicants' amendments and arguments filed on 6/13/2007 have been fully considered

but are not deemed to be persuasive to overcome the rejections previously applied. Rejections

and/or objections not reiterated from previous office actions are hereby withdrawn.

New-Claim Rejections - 35 U.S.C. § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the

subject matter, which the applicant regards as his invention.

Claims 39-41 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite and

vague for failing to particularly point out and distinctly claim the subject matter which applicant

regards as the invention. Claim 39 is indefinite in the recitation of "bioactive agent" as it is

unclear what the scope of activities that is encompassed by this term includes. On paragraph

[0145] of the specification, applicants define the term "bioactive agent" as "protein, small

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organic molecule, carbohydrates (including polysaccharides), polynucleotide, lipids, etc". As such this is a non-exhaustive list and applicants definition does not set forth what properties must be present in the agent for it to be "bioactive" such that other agents could be identified.

## Maintained-Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

by any or all of the following references; Christenson et al. (US 20030190739A1, effective filing date 6-29-1999), and Daly et al. (US 20020037582A1, with effective filing date 9-23-1998) is maintained and claim 43 is included in this rejection.

Claims 38-40, and 42-43 of the instant application are drawn to a cell lysate composition comprising a recombinant Tankyrase H protein, a source ADP –ribose wherein said enzyme has ADP-ribose polymerase activity, wherein said composition comprises a test agent, a candidate bioactive agent such as a organic molecule of less than 2500 Da and wherein said polypeptide has an amino acid sequence that is at least 95% identical to SEQ ID NO: 3 or 4, wherein the composition is a cell lysate.

Christenson et al. disclose a polypeptide Tankyrase H (99.9% identical to SEQ ID NO: 3 and 4 of the instant application), which similar to PARP, cell lysate, which is a source of ADP-ribose (see paragraph [0105]). Christenson et al. also teach a fusion protein (paragraph [0066]).

Claims 39 and 40 are included in this rejection because Christenson et al. teach cell lysate, which inherently contains many biologically active peptides within the scope of the claim.

Daly et al. teach a protein, which is 97% identical to SEQ ID NO: 3 and 4, inherently a Tankyrase H protein having PARP activity. Daly et al. also teach a fusion protein of said protein. Claims 39 and 40 is included in this rejection because Daly et al. teach cell lysate, which inherently contains ADP-ribose and many biologically active peptides within the scope of the claim.

Applicants argue that Daly's cell extracts can be made by lysing cells under denaturing conditions (e.g., by boiling the cells or by lysing the cells in a buffer that contains chemical denaturants), Daly's cell extracts do not necessarily contain enzymatically active Tankyrase H protein, as required by the claims. This is not found persuasive because Daly et al. do not disclose that cell lysate was prepared by boiling or with denaturing agent but recites cell lysate (paragraph [0049]). Cell lysate can be prepared by sonication or freeze thawing, which would not make the enzyme inactive. Similarly, Christenson et al. indeed teach using cell lysate, which is prepared by sonication, wherein said cell lysate comprises activity (see [paragraph 0105]).

Thus above references anticipate claims 38-40, and 42-43 of this application as written. Therefore, the rejection is maintained.

## Conclusion

No claims are allowed.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Iqbal Chowdhury whose telephone number is 571-272-8137. The examiner can normally be reached on 9:00-5:00 PM.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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